Juan Mendez

List of Publications by Year
in descending order

52 papers	5,998 citations	126708 33 h-index	189595 50 g-index
55 all docs	55 docs citations	55 times ranked	7667 citing authors

#	Article	IF	Citations
1	Chromatin Association of Human Origin Recognition Complex, Cdc6, and Minichromosome Maintenance Proteins during the Cell Cycle: Assembly of Prereplication Complexes in Late Mitosis. Molecular and Cellular Biology, 2000, 20, 8602-8612.	1.1	854
2	Replication stress is a potent driver of functional decline in ageing haematopoietic stem cells. Nature, 2014, 512, 198-202.	13.7	519
3	Excess MCM proteins protect human cells from replicative stress by licensing backup origins of replication. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8956-8961.	3.3	415
4	Genomic stability and tumour suppression by the APC/C cofactor Cdh1. Nature Cell Biology, 2008, 10, 802-811.	4.6	331
5	PrimPol, an Archaic Primase/Polymerase Operating in Human Cells. Molecular Cell, 2013, 52, 541-553.	4.5	322
6	Human Origin Recognition Complex Large Subunit Is Degraded by Ubiquitin-Mediated Proteolysis after Initiation of DNA Replication. Molecular Cell, 2002, 9, 481-491.	4.5	305
7	Deregulation of cyclin E in human cells interferes with prereplication complex assembly. Journal of Cell Biology, 2004, 165, 789-800.	2.3	270
8	Repriming of DNA synthesis at stalled replication forks by human PrimPol. Nature Structural and Molecular Biology, 2013, 20, 1383-1389.	3.6	249
9	CDC6: from DNA replication to cell cycle checkpoints and oncogenesis. Carcinogenesis, 2008, 29, 237-243.	1.3	212
10	Cohesin organizes chromatin loops at DNA replication factories. Genes and Development, 2010, 24, 2812-2822.	2.7	195
11	Perpetuating the double helix: molecular machines at eukaryotic DNA replication origins. BioEssays, 2003, 25, 1158-1167.	1.2	179
12	Oncogenic activity of Cdc6 through repression of the INK4/ARF locus. Nature, 2006, 440, 702-706.	13.7	170
13	A short G1 phase imposes constitutive replication stress and fork remodelling in mouse embryonic stem cells. Nature Communications, 2016, 7, 10660.	5.8	149
14	PRIMPOL-Mediated Adaptive Response Suppresses Replication Fork Reversal in BRCA-Deficient Cells. Molecular Cell, 2020, 77, 461-474.e9.	4.5	148
15	Initiation of phi 29 DNA replication occurs at the second 3' nucleotide of the linear template: a sliding-back mechanism for protein-primed DNA replication.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 9579-9583.	3.3	117
16	USP7 is a SUMO deubiquitinase essential for DNA replication. Nature Structural and Molecular Biology, 2016, 23, 270-277.	3.6	117
17	A Proteomic Characterization of Factors Enriched at Nascent DNA Molecules. Cell Reports, 2013, 3, 1105-1116.	2.9	110
18	The human GINS complex associates with Cdc45 and MCM and is essential for DNA replication. Nucleic Acids Research, 2009, 37, 2087-2095.	6.5	94

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19	Replication stress caused by low MCM expression limits fetal erythropoiesis and hematopoietic stem cell functionality. Nature Communications, 2015, 6, 8548.	5.8	92
20	Dynamics of pre-replication complex proteins during the cell division cycle. Philosophical Transactions of the Royal Society B: Biological Sciences, 2004, 359, 7-16.	1.8	76
21	PrimPol-dependent single-stranded gap formation mediates homologous recombination at bulky DNA adducts. Nature Communications, 2020, 11, 5863.	5.8	69
22	Protein-primed DNA replication: a transition between two modes of priming by a unique DNA polymerase. EMBO Journal, 1997, 16, 2519-2527.	3.5	68
23	Cdc45-MCM-GINS, a new power player for DNA replication. Cell Division, 2006, 1, 18.	1.1	63
24	Phosphorylation of Mcm2 by Cdc7 Promotes Pre-replication Complex Assembly during Cell-Cycle Re-entry. Molecular Cell, 2009, 35, 206-216.	4.5	63
25	DNA replication stress: from molecular mechanisms to human disease. Chromosoma, 2017, 126, 1-15.	1.0	61
26	Molecular architecture of the human GINS complex. EMBO Reports, 2007, 8, 678-684.	2.0	58
27	An aspartic acid residue in TPR-1, a specific region of protein-priming DNA polymerases, is required for the functional interaction with primer terminal protein. Journal of Molecular Biology, 2000, 304, 289-300.	2.0	54
28	PDS5 proteins are required for proper cohesin dynamics and participate in replication fork protection. Journal of Biological Chemistry, 2020, 295, 146-157.	1.6	51
29	Primer Terminus Stabilization at the Ï†29 DNA Polymerase Active Site. Journal of Biological Chemistry, 1995, 270, 2735-2740.	1.6	50
30	<scp>NSMCE</scp> 2 suppresses cancer and aging in mice independently of its <scp>SUMO</scp> ligase activity. EMBO Journal, 2015, 34, 2604-2619.	3.5	49
31	Functional Reprogramming of Polyploidization in Megakaryocytes. Developmental Cell, 2015, 32, 155-167.	3.1	47
32	PrimPolâ€mediated repriming facilitates replication traverse of DNA interstrand crosslinks. EMBO Journal, 2021, 40, e106355.	3.5	40
33	In VitroProtein-primed Initiation of Pneumococcal Phage Cp-1 DNA Replication Occurs at the Third 3â€² Nucleotide of the Linear Template: A Stepwise Sliding-back Mechanism. Journal of Molecular Biology, 1996, 260, 369-377.	2.0	39
34	Uncoupling fork speed and origin activity to identify the primary cause of replicative stress phenotypes. Journal of Biological Chemistry, 2018, 293, 12855-12861.	1.6	39
35	POLD3 Is Haploinsufficient for DNA Replication in Mice. Molecular Cell, 2016, 63, 877-883.	4.5	34
36	A cancer-associated point mutation disables the steric gate of human PrimPol. Scientific Reports, 2019, 9, 1121.	1.6	33

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37	InÂVivo DNA Re-replication Elicits Lethal Tissue Dysplasias. Cell Reports, 2017, 19, 928-938.	2.9	32
38	Cell Proliferation without Cyclin E-CDK2. Cell, 2003, 114, 398-399.	13.5	31
39	USP37 deubiquitinates Cdt1 and contributes to regulate DNA replication. Molecular Oncology, 2016, 10, 1196-1206.	2.1	27
40	Molecular architecture of a multifunctional MCM complex. Nucleic Acids Research, 2012, 40, 1366-1380.	6.5	22
41	Functional interplay between câ€Myc and Max in B lymphocyte differentiation. EMBO Reports, 2018, 19, .	2.0	20
42	Temporal regulation of DNA replication in mammalian cells. Critical Reviews in Biochemistry and Molecular Biology, 2009, 44, 343-351.	2.3	19
43	Shortage of dNTPs underlies altered replication dynamics and DNA breakage in the absence of the APC/C cofactor Cdh1. Oncogene, 2017, 36, 5808-5818.	2.6	19
44	<scp>TIAR</scp> marks nuclear G2/M transition granules and restricts <scp>CDK</scp> 1 activity under replication stress. EMBO Reports, 2019, 20, .	2.0	18
45	Structural and functional studies on Ã29 DNA polymerase. Chromosoma, 1992, 102, S32-S38.	1.0	12
46	Visualization of the MCM DNA helicase at replication factories before the onset of DNA synthesis. Chromosoma, 2012, 121, 499-507.	1.0	12
47	Deregulated expression of Cdc6 in the skin facilitates papilloma formation and affects the hair growth cycle. Cell Cycle, 2015, 14, 3897-3907.	1.3	12
48	Molecular architecture of the recombinant human MCM2-7 helicase in complex with nucleotides and DNA. Cell Cycle, 2016, 15, 2431-2440.	1.3	8
49	Motif WFYY of human PrimPol is crucial to stabilize the incoming 3â€²-nucleotide during replication fork restart. Nucleic Acids Research, 2021, 49, 8199-8213.	6.5	3
50	A truncating variant of RAD51B associated with primary ovarian insufficiency provides insights into its meiotic and somatic functions. Cell Death and Differentiation, 2022, 29, 2347-2361.	5.0	2
51	Deregulation of Cyclin E and Genomic Instability. , 2005, , 98-105.		0
52	Cyclin E goes nuts. Cell Cycle, 2010, 9, 4782-4787.	1.3	0